

# **REMOTE ELECTROCARDIOGRAM FOR EARLY DETECTION OF CORONARY HEART DISEASE**

## **ABSTRACT OF THE INVENTION**

An apparatus for electrocardiogram measurement including a first non-conductive pad. A first and second electrode are disposed on the first non-conductive pad. The first electrode represents any one of  $V_4$ ,  $V_5$ , or  $V_6$  and the second electrode is either (i) positioned on the subject below the first electrode in order to represent left leg (LL) or (ii) is placed on a line on the subject defined by the  $V_4$ ,  $V_5$ , and  $V_6$  precordial positions in order to represent any one of  $V_4$ ,  $V_5$ , or  $V_6$  not represented by the first electrode. The apparatus includes a second non-conductive pad. A third electrode is disposed on the second non-conductive pad. The third electrode is a right arm (RA) electrode that is for positioning at a position that is on or close to the right arm of the subject. Each electrode is adapted for electrical connection with the skin in order to receive and transmit electrical impulses. The apparatus further includes an electrical connection that connects each electrode disposed on the first and second non-conductive pads to an electrocardiological measuring apparatus. The electrocardiological measuring apparatus is capable of measuring a first lead and a different second lead without user intervention.